



RESEARCH, DEVELOPMENT and TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT (QPR)

Wisconsin Department of Transportation (WisDOT)
DT1241 5/2014

INSTRUCTIONS:

Research principal investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT Research Program Category <input type="checkbox"/> Policy Research <input checked="" type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other: _____		Report Period (enter year and check which quarter) Year: <u>2014</u> <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input checked="" type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)	
Project Title Static Pile Load Tests on Driven Piles into Intermediate-Geo Materials		WisDOT Project ID 0092-12-08	
Principal Investigator Name James Long	Project Oversight Committee Chair Name Jeff Horsfall	Project Start Date (m/d/yyyy) 1/16/2012	
(Area Code) Telephone Number 217-333-2543	(Area Code) Telephone Number 608-243-5993	Original End Date (m/d/yyyy) 7/17/2013	
Email Address jhl@illinois.edu	Email Address Jeffrey.Horsfall@dot.wi.gov	Current End Date (m/d/yyyy) 4/31/2015	

Project Schedule Status (check one)

☐ On Schedule ☒ On Revised Schedule ☐ Ahead of Schedule ☐ Behind Schedule

Project Budget Status

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$95,000.00	\$8,578.08	\$61,469.09	65%	85%

Project Description

The objective of the research is to develop and perform static pile load test at sites in Wisconsin and evaluate the results for piles driven into intermediate Geomaterials. Two different locations in the state have been identified. The H-piles shall be driven into IGM under current WisDOT design and construction standards. The static pile load tests, with PDA/CAPWAP analysis will help the department better understand the conditions of driving H-piles in IGM.

Progress This Quarter (includes meetings, work plan status, contract status, significant progress, etc.)

We are continuing to review the analyses results for the static and dynamic load tests. We are currently reviewing other work on piles in intermediate geomaterials as well as reviewing the results of driving production piling at the locations in which piles were tested. Results of current analyses were presented at a project meeting with WisDOT engineers on 9/29 in Madison.

Anticipated Work Next Quarter

We anticipate submitting the first draft of the research report this quarter. We are including work conducted during production pile driving near the 7 existing load test sites and additional dynamic testing performed during installation of production piling. We will also be reviewing other work on piles that have been driven into IGMs.

Circumstances Affecting Project or Budget

The completion date is April 30, 2015. There have been no circumstances that have occurred this quarter to affect project timing or budget.

Attach / Insert Gantt Chart and Other Project Documentation

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(*enter text)

<i>For WisDOT Use Only</i>	
Staff Receiving QPR J. Walejko	Date Received (m/d/yyyy) 1/6/2015
Staff Approving QPR Jeff Horsfall	Date Approved (m/d/yyyy) 2/3/2015